



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,828	08/27/2001	Mitsuhiro Yamamoto	041514-5230	1102

55694 7590 11/13/2006

DRINKER BIDDLE & REATH (DC)  
1500 K STREET, N.W.  
SUITE 1100  
WASHINGTON, DC 20005-1209

EXAMINER

JONES III, CLYDE H

ART UNIT PAPER NUMBER

2623

DATE MAILED: 11/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/938,828

Applicant(s)

YAMAMOTO ET AL.

Examiner

Clyde H. Jones III

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 8/21/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 4, 6-14, 18 and 19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 4, 6-14, 18, and 19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/21/2006 has been entered.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim 1 recites "writing of display data into said storage part is enabled when said display panel is detached from the device body portion of said electronic equipment" and the further limitation "display data [is] from the outside of said electronic equipment". One of ordinary skill in the art would not be enabled to or apprised of how the claimed invention writes external data into the display panel memory when it is

Art Unit: 2623

attached to nothing, i.e., detached from the electronic equipment. In the Specification (and fig. 4 of the Drawings) the display panel with contained memory writes data into the detached display panel by connecting to a personal computer (page 6, lines 3-18; page 9, line 25-page 10, line 12), but there is no indication of writing data to a detached device, i.e., a device connected to nothing. The examiner suggests changing the claim language so that it is clearly defined how display data is written into the detached device, e.g.,--by connecting to a computer—or similar language, as long as it is commensurate with its corresponding disclosure.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claim 1, 8, 9-14, 18 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Sekiyama (US 6,427,115 B1).

Regarding claims 1, 8, and 9, Sekiyama teaches a display apparatus (fig. 1) for use with an electronic equipment (vehicle computer 10 and cradle 24, inter alia), having

Art Unit: 2623

a display panel portion (portable terminal 22) containing a display panel for displaying images, comprising:

a storage part (memory 22-fig.1) contained (held) in the electronic equipment for storing display data representing display images to be displayed on the display panel (col. 5, lines 4-11; col. 7, lines 45-50); and

a data writing part (antenna & modem 22, I/F 22a –fig. 1) for receiving display data from the outside of the electronic equipment (e.g. from information center – fig. 2) to write into the storage part as the display data (col. 4, lines 30-32; col. 4, lines 40-44, lines 54-58; col. 5, lines 49-55),

wherein the display panel portion is detachably mounted (attached) on a body portion (cradle 24) of the electronic equipment (col. 7, lines 51-55), the storage part is contained in the display panel portion of the electronic equipment, and writing of display data into the storage part is enabled when the display panel is detached from a device body portion of the electronic equipment (fig. 3 & 4; col. 7, lines 62-65; col. 8, lines 29-33).

Regarding claim 10, 12 and 18, Sekiyama teaches the arbitrary display data is an image taken by a user using an image shooting device (display data is an image taken by a user controlled television cameras; col. 5, lines 55-56 & 120 – fig. 2).

Regarding claims 11 and 19, Sekiyama teaches software (client data 100, 102, 101-fig. 2) for capturing the arbitrary display data and writing the same into the storage part is stored in a predetermined site (information center – fig. 2); and

the data writing part downloads the software through the Internet (via WAP servers and/or Internet links as shown in fig. 2; col. 5, lines 15-20 col. 3, lines 48-49, col. 5, lines 36-37; intermediate language data, recognition data, etc. – fig. 3).

Regarding claim 13, Beckert teaches the display data represents a still image (map data, text image data, inter alia) (col. 5, lines 33-35; fig. 3 or fig. 4).

Regarding claim 14, Beckert teaches the electronic equipment is a vehicle-mounted electronic equipment (col. 3, lines 56-58; col. 1, lines 50-52; col. 8, lines 38-41).

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 4, 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sekiyama (US 6,427,115 B1) in view of Fish et al. (US 6,483,428 B1).

Regarding claim 7 Sekiyama teaches the storage part comprises a rewritable in the front panel memory shown in 22- fig. 1 (col. 4, lines 30-32; col. 7, lines 65) and further teaches the on-vehicle device comprises flash memory 16 (col. 3, lines 30-32).

Art Unit: 2623

However, Sekiyama fails to specifically disclose the storage part comprises flash memory.

In an analogous art Fish teaches that in a detachable/portable vehicle device with content presenting and telephonic capability (col. 2, lines 49-50,58-59; col. 4, lines 20-21) it is desirable for the storage part (panel memory 58 – fig. 2) to comprise flash memory for enabling PDA functionality (col. 6, lines 36-50).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Sekiyama to include the storage part comprises flash memory as taught by Fish for the added advantages of increased functionality/utility and user convenience (Fish – col. 6, lines 45-50).

Regarding claims 6 and 7 they are analyzed and rejected similar to claim 11 above.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clyde H. Jones III whose telephone number is 571-272-5946. The examiner can normally be reached on 9-5:30 p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Grant can be reached on 571-272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2623

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CJ



**CHRISTOPHER GRANT  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600**